

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1-18. (Canceled)
19. (New) A modular refrigeration and/or freezer appliance comprising:
a U-shaped module having a rear part connected to pair of opposing side parts and an open top, bottom, and front;
a top closure wall closing the open top of the U-shaped module;
a bottom closure wall closing the open bottom of the U-shaped module;
a door adapted to selectively close the open front of the U-shaped module, wherein the U-shaped module, the top closure wall, the bottom closure wall, and the door define a thermally insulated compartment; and
a reversible connector between the U-shaped module and at least one other module of the appliance.
20. (New) The appliance of claim 19 wherein at least one of the top and bottom closure walls comprises horizontal flat panels provided with an opening which enable energy, cables, pipes, liquids and gases to pass.
21. (New) The appliance of claim 19 wherein the reversible connector comprises a rectilinear profiled guide and a corresponding counter-guide.
22. (New) The appliance of claim 21 wherein the guide comprises an inverted double L shape.
23. (New) The appliance of claim 21 wherein the counter-guide comprises a T shape.
24. (New) The appliance of claim 19 wherein the at least one other module comprises at least one of the top closure wall, the bottom closure wall, and a base

module.

25. (New) The appliance of claim 24 wherein the at least one other module comprises the base module having a lower part and a pair of parallel lateral walls extending perpendicularly from the lower part and having a flat top with a portion of the reversible connector.

26. (New) The appliance of claim 19 wherein at least one of the top and bottom closure walls comprises a U-shaped profile bar and at least two spaced-apart panels, wherein the U-shaped profile bar and the panels define a compartment containing insulating material.

27. (New) The appliance of claim 26 wherein the U-shaped profile bar comprises guide slots that receive the panels.

28. (New) The appliance of claim 19 wherein the U-shaped module comprises a pair of spaced-apart plate-like parts received by seats in the top and bottom closure walls to define a compartment for insulating material.

29. (New) The appliance of claim 19 wherein the top closure wall comprises a U-shaped profile bar coupled to a lower panel and an upper panel, wherein the U-shaped profile bar and the upper and lower panels define a compartment containing insulating material, and the upper panel comprises a connector for connection to the U-shaped profile bar.

30. (New) The appliance of claim 19 wherein the at least one other module comprises a seat and a hinge module removably received in the seat, wherein the seat and the hinge module comprise cooperating couplers.

31. (New) The appliance of claim 30 wherein the cooperating couplers comprise dovetail-shaped guides.

32. (New) The appliance of claim 30 wherein the door comprises a hinge pin, and the hinge module includes holes to receive the hinge pin.

33. (New) The appliance of claim 19 wherein the reversible connector comprises couplings between the U-shaped module and at least one other module.

34. (New) The appliance of claim 19 wherein the U-shaped module and the other module comprise at least one discontinuity at the reversible connector.

35. (New) The appliance of claim 19, further comprising an air duct provided on the U-shaped module and coupled to the top and bottom closure walls.

36. (New) The appliance of claim 35 wherein the air duct includes at least one controlled aperture configured to feed refrigerated air into the thermally insulated compartment.

37. (New) The appliance of claim 36 wherein the air duct further comprises an electronic circuit coupled to a control unit of the appliance, sensors linked to the electronic circuit, and illumination sources.

38. (New) A modular refrigeration and/or freezer appliance comprising:
at least two U-shaped modules, each U-shaped module having a rear part connected to a pair of opposing side parts and an open top, bottom, and front, with the at least two U-shaped modules arranged vertically;

a top closure wall closing the open top of the uppermost U-shaped module;

a bottom closure wall closing the open bottom of the bottommost U-shaped module;

a door adapted to selectively close the open fronts of the at least two U-shaped modules, wherein the at least two U-shaped modules, the top closure wall, the bottom closure wall, and the door define at least one thermally insulated compartment;

and

a reversible connector between the U-shaped modules.

39. (New) The appliance of claim 38 wherein the reversible connector comprises a rectilinear profiled guide and a corresponding counter-guide.

40. (New) The appliance of claim 39 wherein the guide comprises an inverted double L shape.

41. (New) The appliance of claim 39 wherein the counter-guide comprises a T shape.

42. (New) The appliance of claim 38 wherein at least one of the top and bottom closure walls comprises a U-shaped profile bar and at least two spaced-apart panels, wherein the U-shaped profile bar and the panels define a compartment containing insulating material.

43. (New) The appliance of claim 42 wherein the U-shaped profile bar comprises guide slots that receive the panels.

44. (New) The appliance of claim 38 wherein the at least two U-shaped modules comprise a pair of spaced-apart plate-like parts received by seats in the top and bottom closure walls to define a compartment for insulating material.

45. (New) The appliance of claim 38 wherein the top closure wall comprises a U-shaped profile bar coupled to a lower panel and an upper panel, wherein the U-shaped profile bar and the upper and lower panels define a compartment containing insulating material, and the upper panel comprises a connector for connection to the U-shaped profile bar.

46. (New) The appliance of claim 38 wherein the reversible connector comprises couplings between the at least two U-shaped modules.

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47. (New) The appliance of claim 38, further comprising an air duct provided on at least one of the U-shaped modules and coupled to at least one of the top and bottom closure walls.

48. (New) The appliance of claim 38, further comprising an intermediate closure wall between the at least two U-shaped modules, and the reversible connector couples the at least two U-shaped modules to the closure wall.